Sex — Tex — T4 — T3 — T2 — KTT — T1

S0

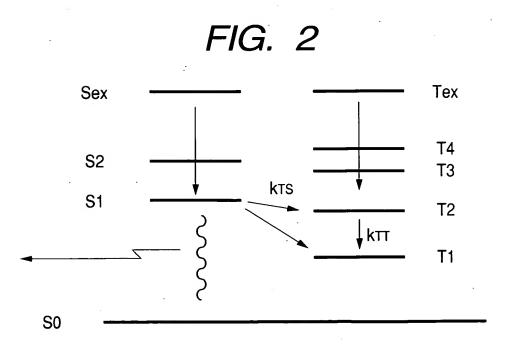


FIG. 3

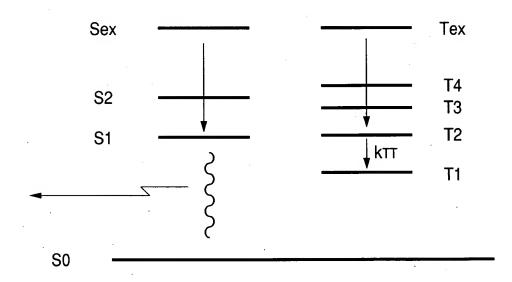


FIG. 4

ENERGY ADJUSTMENT OF nπ* -X = -NH₂-X = -H(9-aminoacridine) (acridine) EXCITED STATE ENERGY LEVEL EXCITED STATE ENERGY LEVEL $T3(\pi \pi^*)$ $T3(\pi \pi^*)$ $S1(\pi \pi^*)$ $S1(\pi \pi^*)$ HOMO → LUMO $T2(n \pi^*)$ $T2(n\pi^*)$ $n \rightarrow LUMO$ $T1(\pi \pi^*)$ $T1(\pi \pi^*)$ S0 S₀ MOLECULAR ORBITAL MOLECULAR ORBITAL LUMO LUMO T2 S1 **HOMO** T2 **HOMO** HOMO-3 n(lone pair) HOMO-3 n(lone pair)

FIG. 5

